AHSUB15S

15" AH Series Stadium Subwoofer System

AHSUB15S

Features

- Impressive efficiency rating of 103 dB 1 W/1M makes the AHSUB15S a perfect choice for low frequency augmentation of high energy music playback at sporting events.
- Weather & rodent resistant.
  - Rear firing woofer cavity and mesh screen over the enclosure front to protect the speaker from weather and/or rodent damage.
  - Weather resistant connection via a convenient recessed terminal block located on back of loudspeaker
- Secure surface mounting or suspension installation via the integral forged eyebolts.
- 500 watts power handling
- Maximum output of 127 dB (Rated Power @ 1 M)

Applications

The Atlas Sound AHSUB15S subwoofer system features high output and amazing low frequency response for indoor and outdoor applications including football stadiums, sports arenas, baseball fields, and large auditoriums.

Unit features an efficient low frequency woofer loaded into a durable, weather resistant, rear firing enclosure.

Installation

Ground Installation (Recommended)

Excellent results may be achieved by mounting the AHSUB15S under bleacher seating. Electronic delay is suggested to approximate time alignment of full range speakers with subwoofer(s) to the listener locations.

Optional AHSUBSTAND allows easy installation of the AHSUB15S under bleacher seating or other areas where concrete slab mounting is possible. Stand provides secure mounting of the AHSUB15S in a down firing configuration to maximize output performance while helping to prevent theft and weather damage. Holes are provided on the bracket feet for anchor points when mounting on concrete slab and additional holes are located on the frame to allow the AHSUB15S to be attached to the frame via chain or cable for optimal security.

Overhead Installation

Remember that wind will add considerable torque to the point of attachment. The mounting surface the speaker is being attached to should be able to handle five or more times the weight of the AH speaker (7x recommended for locations subject to high wind forces).

The installer must ensure that the surface is capable of safely and securely supporting the load. The hardware employed must be safely and securely attached both to the loudspeaker and the surface in question. A general rule for soft surface installations (wood beams) is to multiply the corresponding working load limit by 75%: the result will be an approximate working load strength.

AHSUB15S Mounted on Optional AHSUBSTAND

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Technical Specifications

Power Rating:	250 watts RMS
Sensitivity:	103 dB SPL (1 W / 1 M)
Frequency Response:	55 Hz – 120 Hz (±5 dB)
Dispersion:	Omni
Impedance:	8 Ω Nominal
Height:	30.56" (776.22 mm)
Width:	30" (762 mm)
Depth:	28.16" (715.26 mm)
Shipping Weight:	280 lbs (127.01 kg)
Driver Type:	15" Low Freq Cone

Architect & Engineer Specifications

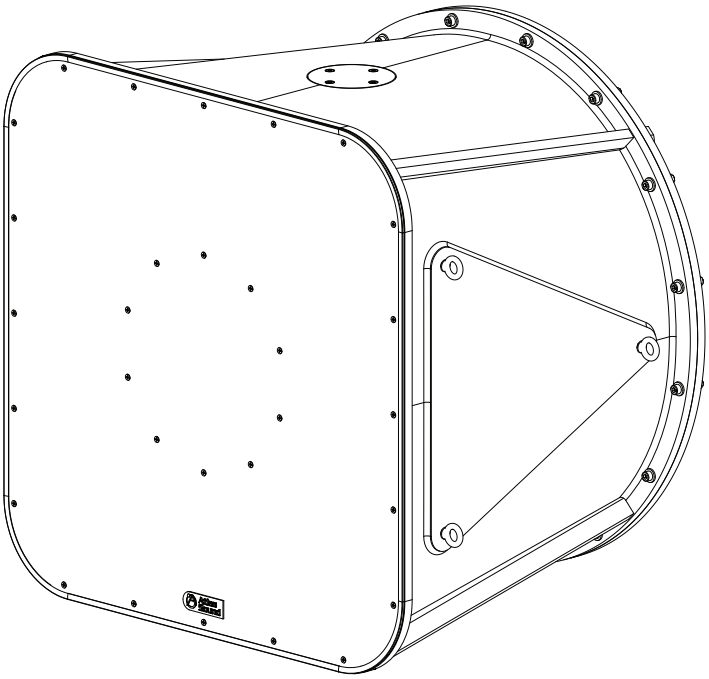
The loudspeaker system shall be a horn-loaded, subwoofer with a 15" paper cone with moisture resistant coating.

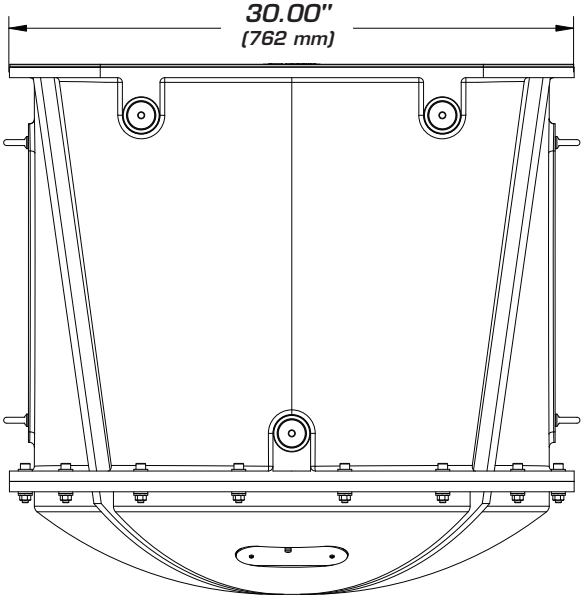
The subwoofer shall have a 15" cast frame basket mounted to a high volume fiberglass horn incorporating an environment resistant housing with a 3 part rodent and moisture resistant barrier. The 15" woofer shall be connected to an integral 3 pole 18 db per octave crossover with crossover frequency of 150 Hz. The input connection shall be via 4 position screw down terminal strip internally configured to allow parallel input and output wiring for daisy chain wiring of multiple units with a screw affixed weather resistant cover. The loudspeaker enclosure shall be a molded weather-sealed black fiberglass bell with a perforated aluminum grille backed by open cell foam and a stainless steel mesh over the woofer. There shall be three eyebolt M8 mounting points on 2 sides of the enclosure (6 total) and include 3 rubber feet for floor mounting and a provision via optional mounting stand to be downward firing . The system shall also include a provision for portable speakers via a hole provided for an optional 1-⅜" steel pole socket which can be installed via the removal of a steel cover and 4 bolts .

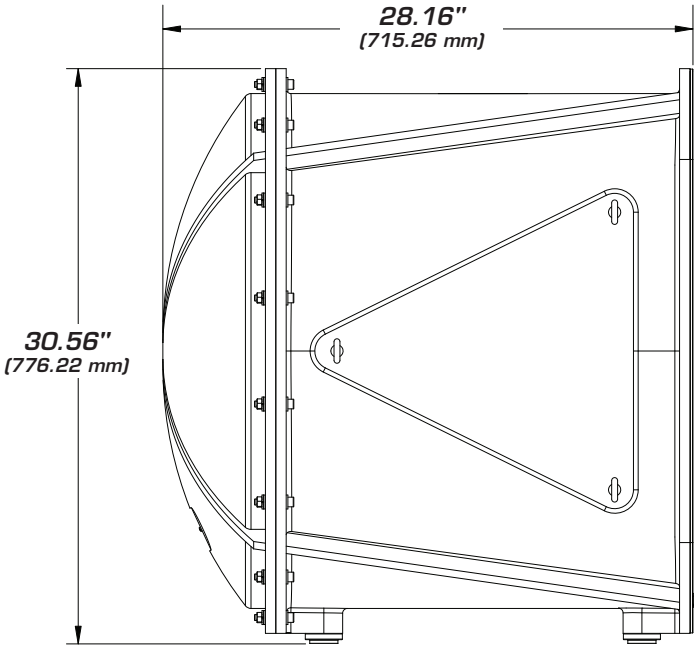
The system shall have a frequency response of 55 Hz – 150 Hz (± 5 dB), input capability of 500 Watt RMS, 103 dB sensitivity at one meter (2.83V) in ½ space and 8 Ω nominal impedance.

Dimensions shall be: Height 30.56" (776.22 mm)
Width 30" (762 mm)
Depth 28.16" (715.26 mm)
Weight 280 lbs (127.01 kg)

The loudspeaker system shall be the Atlas Sound model AH15SUBS subwoofer.







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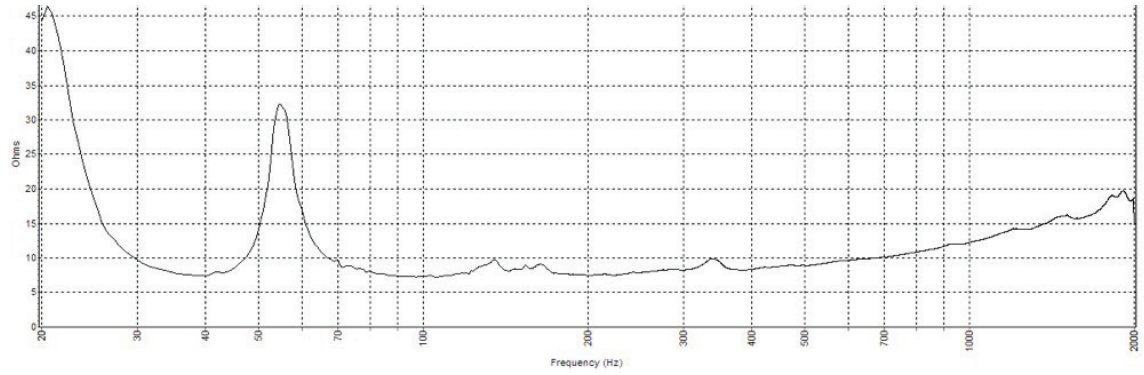
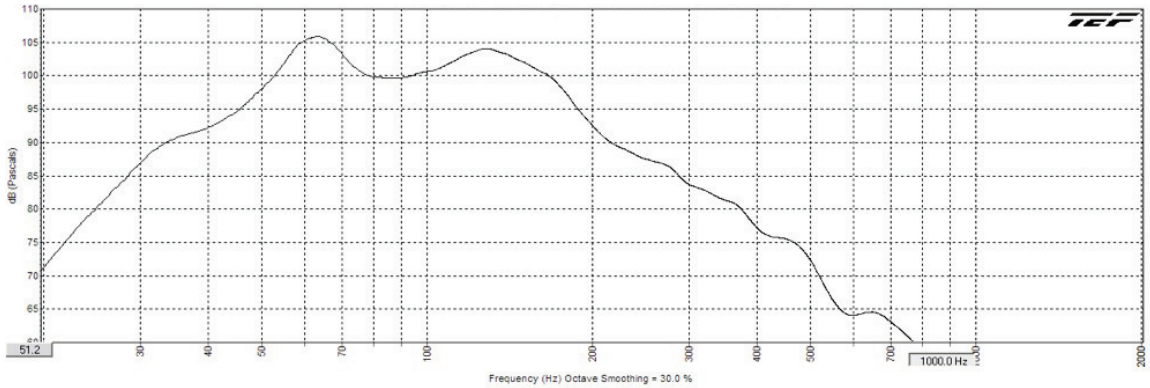


AHSUB15S Impedance (ohms) vs. Frequency



AHSUB15S Frequency Response

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